Name _____   Date _____   Class _____

Skills Readiness
Identify Similar Figures

Definition: Two polygons are similar if corresponding angles are congruent and corresponding sides are proportional.

Similarity Theorem (SSS): If the corresponding sides of two figures are proportional, then the figures are similar.

Practice on Your Own
Identify which figures appear to be similar.

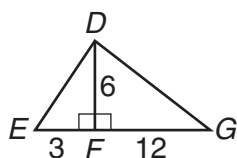**1.** Figure A   Figure B   Figure C   Figure D   Answer: ____ and ____

2. Figure A   Figure B   Figure C   Figure D   Answer: ____ and ____
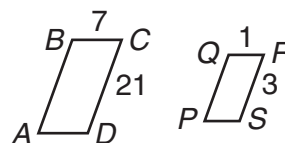

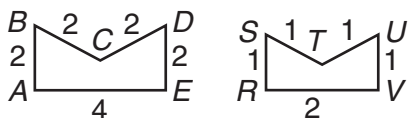**Determine if the given figures are similar. If so, explain why.**

3. △*DEF* and △*GDF*

_____

4. parallelograms *ABCD* and *PQRS*

_____

5. Figures *ABCDE* and *RSTUV*

_____

6. △*HJK* and △*RST*

_____
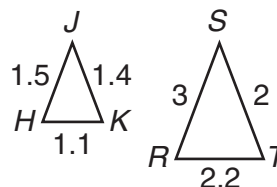
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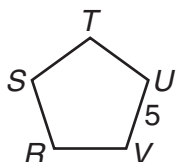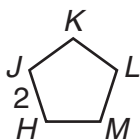**Identify which figures appear to be similar.**

7. Figure A   Figure B   Figure C   Figure D   Answer: ____ and ____

Determine if the given figures are similar. If so, explain why.

8. regular pentagons *HJKLM* and *RSTUV*

_____

_____

9. △*FGH* and △*FKL*

_____

_____

Holt McDougal Algebra 1